ATTY DOCKET NO. CAF-29302/03 10/031,219 INFORMATION DISCLOSINE CITATION Andrew Philip Churchill (Use/several sheets if ne **GROUP** MAY 3 1 2002 January 15, 2002 **U.S. PATENT DOCUMENTS** *EXAMINER FILING DATE CLASS SUBCLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL 2/29/72 Maurer et al. 175 65 3,645,331 Richter, Jr. et al. 50 175 3/6/73 3,719,239 .5 4/22/75 Seabourn 166 3,878,889 15.5 MC 340 Silverman et al. 3,993,974 11/23/76 175 61 4,518,048 5/21/85 Varley 175 317 12/26/89 Lee 4,889,199 175 317 3/19/96 5,499,687 Lee 166 196 5,695,009 12/9/97 Hipp 166 196 8/25/98 Hipp 5,797,454 281 166 8/10/99 Savage 5,934,377 166 317 8/24/99 5,941,309 Appleton **FOREIGN PATENT DOCUMENTS** TRANSLATION CLASS SUBCLASS DATE COUNTRY DOCUMENT NUMBER YES 8/8/91 WIPO WO 91/11587 (Including Author, Title, Date, Pertinent Pages, Etc.) OTHER DOCUMENTS **COPY OF PAPERS** ORIGINALLY FILED DATE CONSIDERED **EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820 (als form PTO-1449) P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

OF 2

INI	NFORMATION DISCLOSUK (Use several sheets if nece MAY 3 1 2002	es S elv)	CAF-2 Andrew Philip	CAF-29302/03 10/031,219 Andrew Philip Churchill					
	\3	<i>E</i> /		y 15, 2002					
*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA	ATE		
SB	5,990,051	11/23/99	Ischy et al.	507	204	IF APPRO	PRIATE		
780		***************************************	Isting et al.			+			
						-			
					-	-			
	-				-				
		-							
					1				
					!		<u></u>		
		FOR	REIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS YES	SLATION NO		
					٠.				
	OTHER DOCUME	ENTS (Includi	ing Author, Title, Date, Perti				<u></u>		
				C	COPY OF PAP ORIGINALLY F	ERS ILED			
				~					
XAMINER	7. flor Bon		DATE CONSIDERE	ED 4/22/03					
XAMINER: Init	itial if reference considered, whethe dude copy of this form with next con	er or not citation is mmunication to ar	s in conformance with MPEP 609 pplicant.		ation if not in co	informance	and not		

Form PTO-A820 (also form PTO-1449)

PAR	INFO	RMATION DECOMP	TION	Ø	CAF-29302/0. Applicant(s) Andrew Philip Church	3	10/	/031,219		
(Use several sheets if necessary) SEP 0 3 2002				:	Filing Date 1/15/02	····	3672			
		E. C.		U.S. PAT	ENT DOCUMENTS					
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE		
YfD		2,128,352	8/30/38	Creighton		255	28	10/20/36		
ASB		4,645,006	2/24/87	Tinsley		166	374	12/7/84		
AB		5,499,687	3/19/96	Lee		175	317	11/18/91		
SB		5,782,305	7/21/98	Hicks		166	376	11/18/96		
;							OFN	ED		
,					COPY OF PAPERS ORIGINALLY FILED	H	CEN			
					OHIGHALLI		SEP 0 6			
		(Gl	ROUP	3000		
				FOREIGN	PATENT DOCUMENTS			,		
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Translation YES NO		
AB		EP0732479	7/16/96	Europe				J		
ARB		GB688727	3/11/53	Great B	ritain			J		
FB		GB2304763	3/26/97	Great B	ritain			>		
AB		WO9922114	5/6/99	WIPO				7		
XIII		GB2305681 3/11/97 Great Britain			ritain			>		
				OTHER D	OCUMENTS (Including A	uthor, Title, De	ute, Pertinent Pa	ges, Etc.)		
	-						,			
			`							
EXAMINE	`	J. Ale Son	<u> </u>		DATE CONSIDERED 4/21	03				
EXAMINE F	R: Initia	l if citation considered, whether or lude copy of this form with next co	not citation is in c	onformanc	e with MPEP Section 609; Dr		h citation if not	in conformance and		
					,					

Form PTO-A820 (also form PTO-1449)

4 6 4					ATTY DOCKET NO. CAF-29302/03		SERIAL NO 10/031,219			
	INFO	RMATION DISCLASURE (Use several sheets if necess	CITATION Sary O		Andrew Philip Churchi	ill				
Mo-	NE.	OF DADER # SEP 0 3 2002 4			FILING 1/15/02	G	GROUP 3672			
MA	01	1	(Z)	S. PATENT	DOCUMENTS			-		
*EXAMINER		DOCUMENT NUMBER TRADE			NAME		SUBCLASS	FILING DATE		
INITIAL							<u> </u>	IF APPROP	RIATE	
				<u> </u>			<u> </u>			
									7.74	
					COPY OF PAPERS	R	ECEI	11-		
r					ORIGINALLY FILED	<u></u>	SEDO			
ړ		•				Gr	SEP 0 6	2002		
						<u> </u>	OUP (3 600		
				<u> </u>		·		700		
			·							
			FORE	IGN PATEI	NT DOCUMENTS	<u> </u>				
		DOCUMENT NUMBER DATE		COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO		
78B		EP0860583	8/26/98	Europe			·	1		
HJB	WO9947789		4/30/02	WIPO				7		
		07/150 000/1050	170 (last die	. 4 41						
	Т	OTHER DOCUMEN	iis (incluain	g Autnor,	Title, Date, Pertinent Pa	ages, Etc.)				
					·					
	1									
EXAMINER	₹	× 100 0			DATE CONSIDERED	./				
		7. Show Bu			4/8	403			4	
*EXAMINEI considered.	R: Initia Includ	I if reference considered, whether e copy of this form with next com	r or not citation is munication to app	in conforma	ance with MPEP (09; Draw lin	e through cita	ition if not in co	nformánce a	and not	

Form PTO-A820 (also form PTO-1449)